



JOB DESCRIPTION

Position Title: **Senior Engineer**

Working Title: **Utility Project Engineer**

Class Code: 5313

Exempt

EEO Code: 02

Effective Date: August 30, 2002

Major Function

Professional work involving the planning, engineering and construction project management of water, wastewater, and solid waste capital improvement projects and the review of plans and the management of construction inspection for development related water and sewer infrastructure.

Essential Functions

Note: These are intended only as illustrations of the various types of work performed. The omission of specific duties does not exclude them from the position if the work is a logical assignment to the position.

Processes utility capital improvement projects from planning stage through design, bidding, contract award and construction completion.

Assist in the review of development projects with respect to compliance with water and sewer standards of the Land Development Code.

Organize, directs and supervises work activities in the areas of engineering review and management.

Coordinates engineering issues with other departments, divisions, outside agencies, applicants, developers, and engineers during the review of development projects, and make recommendations to bring about consistency with established codes and regulations.

Provides technical assistance to staff and officials on matters requiring engineering analysis.

Participates in design review conferences, project review team meetings, and pre-construction conferences to assure that engineering design standards and specifications are correct and understood.

Prepares agenda items for the Board of County Commissioners meetings as necessary.

Advise developers, engineers, and the public, on County policies regarding water and wastewater utility infrastructure design and construction.

Prepare reports on the results of hydraulic modeling of water and sewer improvements and proposed utilities for development.

Represents the Division and the Department at various meetings and conferences and on local technical and advisory committees.

Performs other duties as assigned or as may be necessary.



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Minimum Qualifications

Extensive knowledge of the principles and practices of engineering as applied to water, wastewater, and solid waste utilities. A through knowledge of environmental engineering, hydrology, hydraulics, soil mechanics, land surveying, and water and sewer utility operations.

Ability to make effective oral presentations, prepare clear and effective technical reports and correspondence. Ability to establish and maintain effective working relationships with co-workers, subordinates, and managers.

Skilled in the use of microcomputers with various programs for engineering analysis, database management, document preparation, and general information management.

Bachelor's Degree in Civil or Environmental Engineering and three years responsible engineering experience in the supervision, administration, or management of engineering design projects. Registration as a professional engineer in the State of Florida is preferred.

Working Conditions

Work is usually performed in an office environment. This position may be required to perform fieldwork to review assigned projects. Work performed may be done at construction sites requiring prolonged walking and standing. When working in the field this position may be exposed to adverse weather conditions.